Figure 1

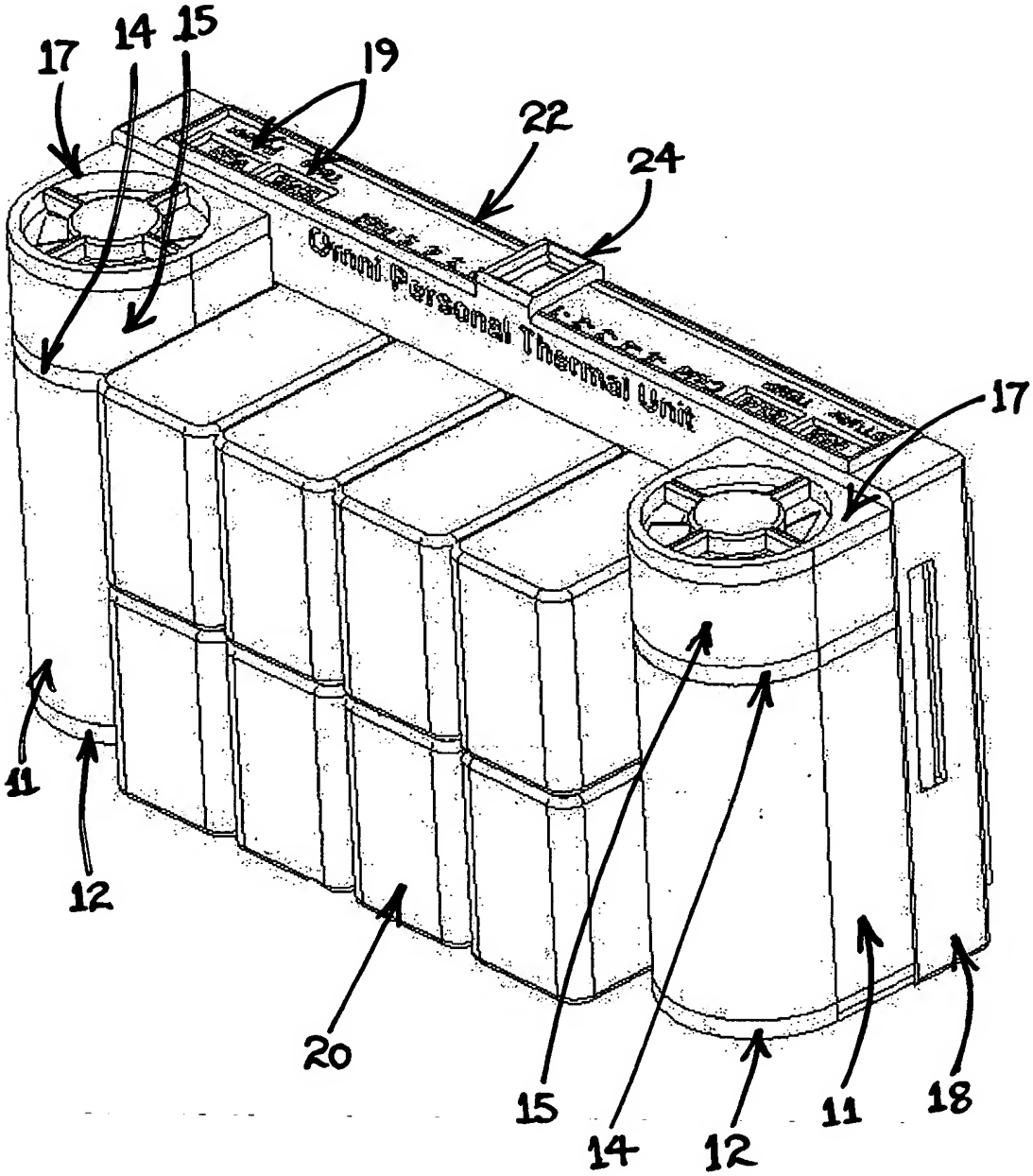
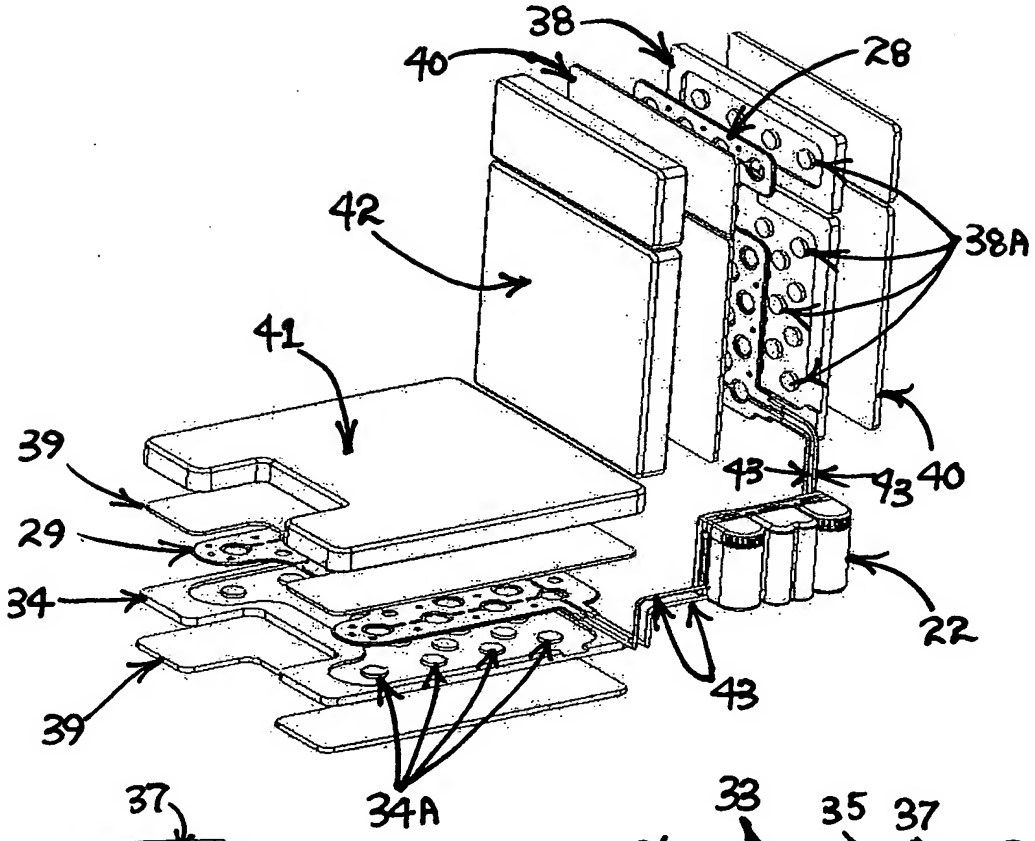


Figure 2A



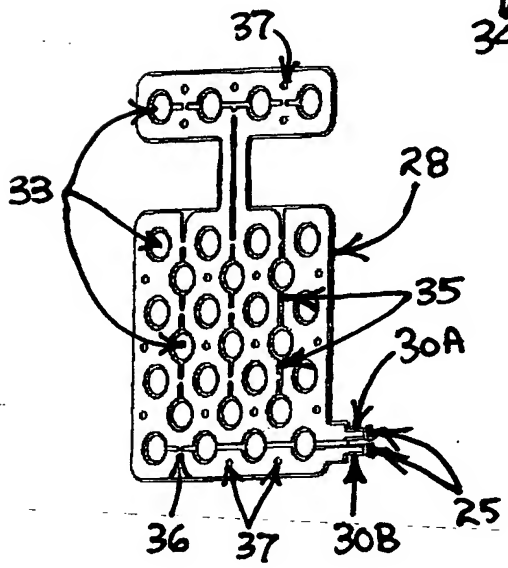


Figure 2B

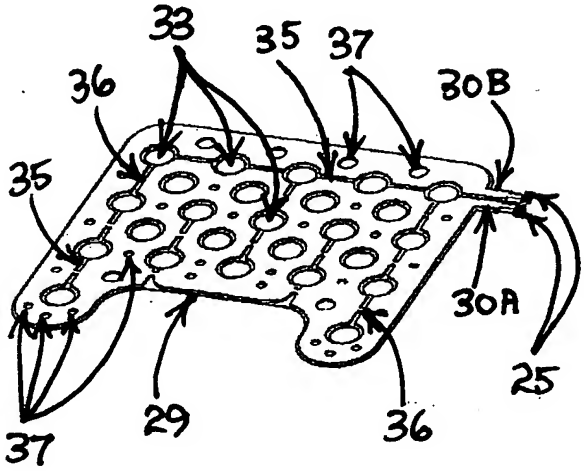


Figure 2C

Figure 3

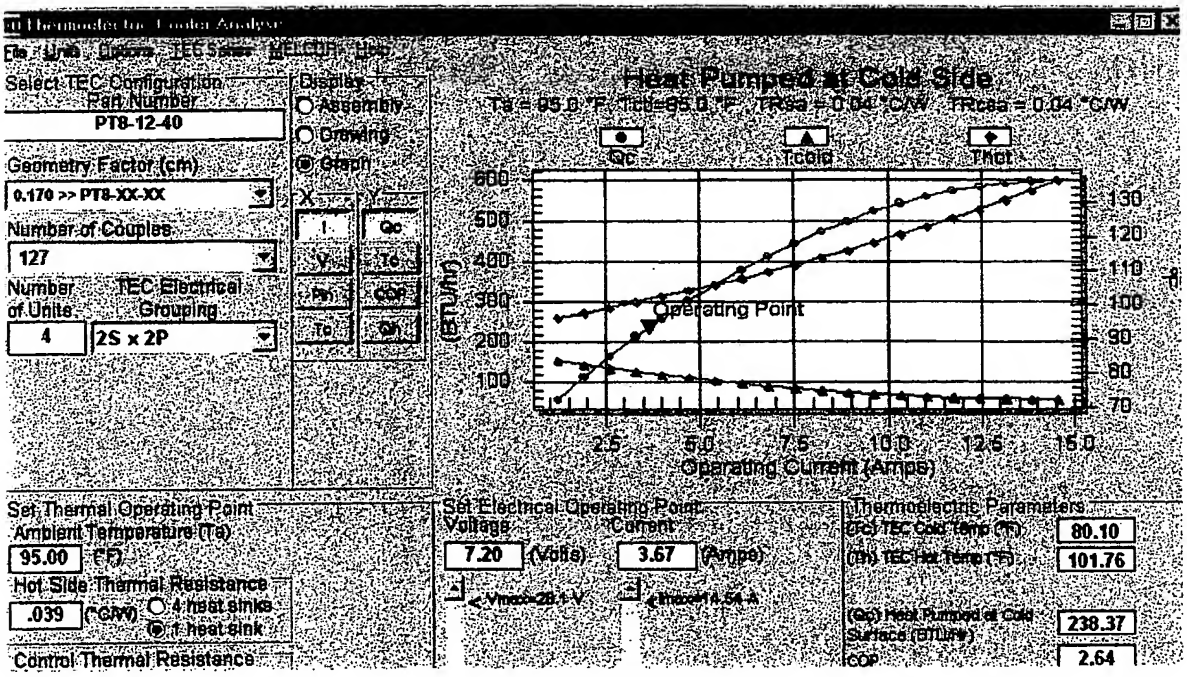

Select TEC Configuration
Part Number
PT8-12-40
Geometry Factor (cm)
0.170 >> PT8-XX-XX
Number of Couples
127
Number of Units
4
TEC Electrical Grouping
2S x 2P
Display
Assembly
Drawing
Graph
Heat Pumped at Cold Side
Qc
Tcold
Thot
Operating Point
Qc (BTU/hr)
Operating Current (Amps)
Set Thermal Operating Point
Ambient Temperature (Ta)
95.00
(F)
Hot Side Thermal Resistance
.039
(°C/W)
4 heat sinks
1 heat sink
Control Thermal Resistance
Set Electrical Operating Point
Voltage
7.20
(Volts)
Current
3.67
(Amps)
Thermoelectric Parameters
(Qc) TEC Cold Temp (°F)
80.10
(Qh) TEC Hot Temp (°F)
101.76
(Qc) Heat Pumped at Cold Surface (BTU/Hr)
238.37
COP
2.64

Figure 4

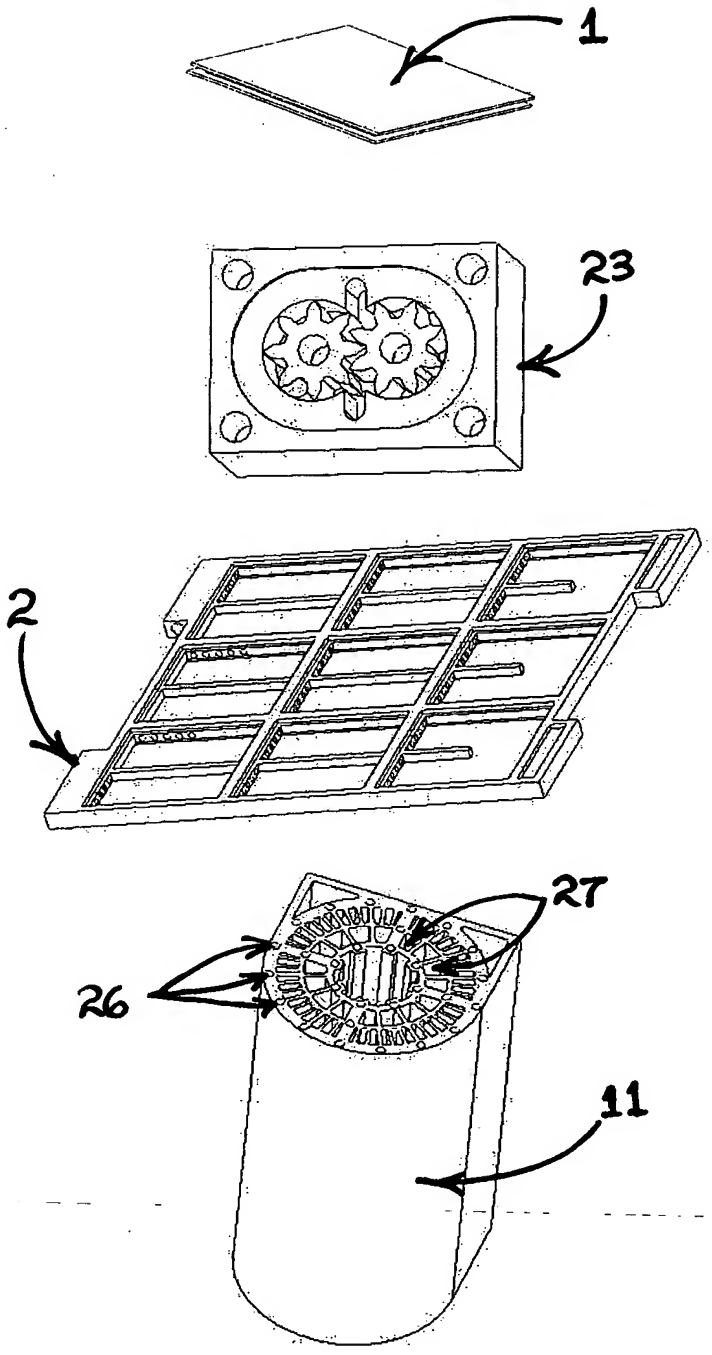


Figure 5

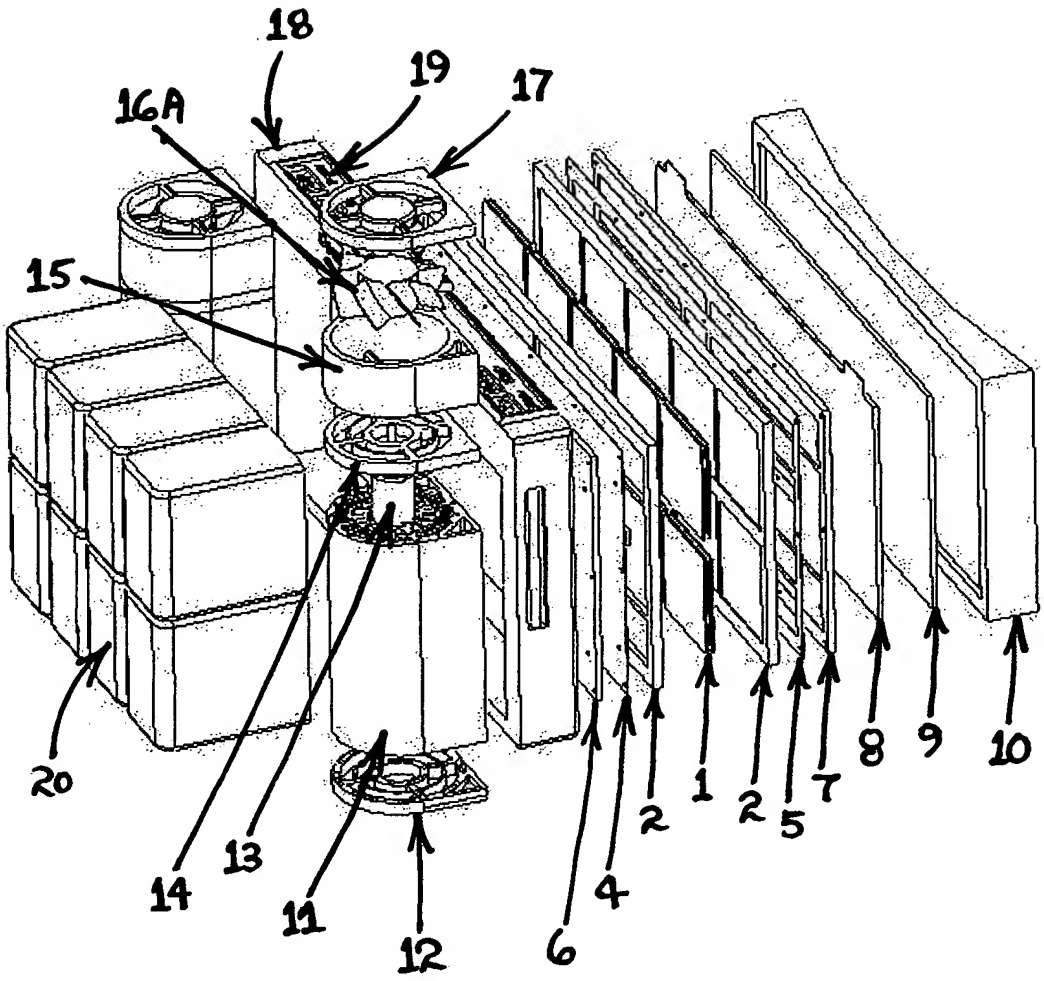


Figure 6A

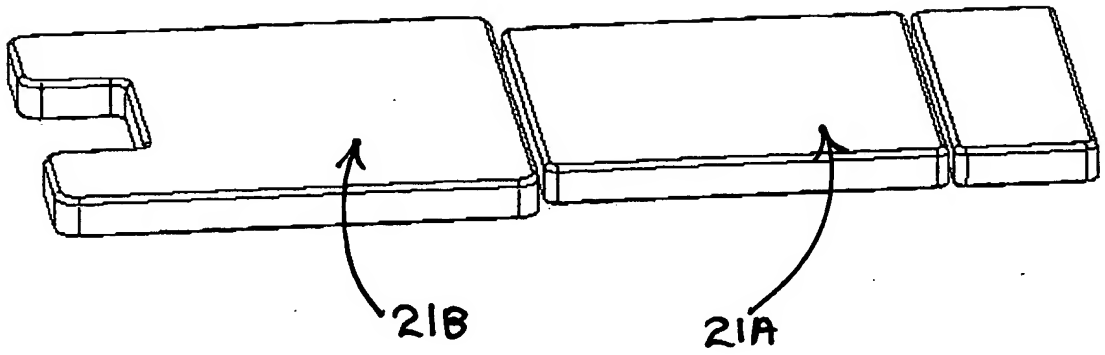


Figure 6B

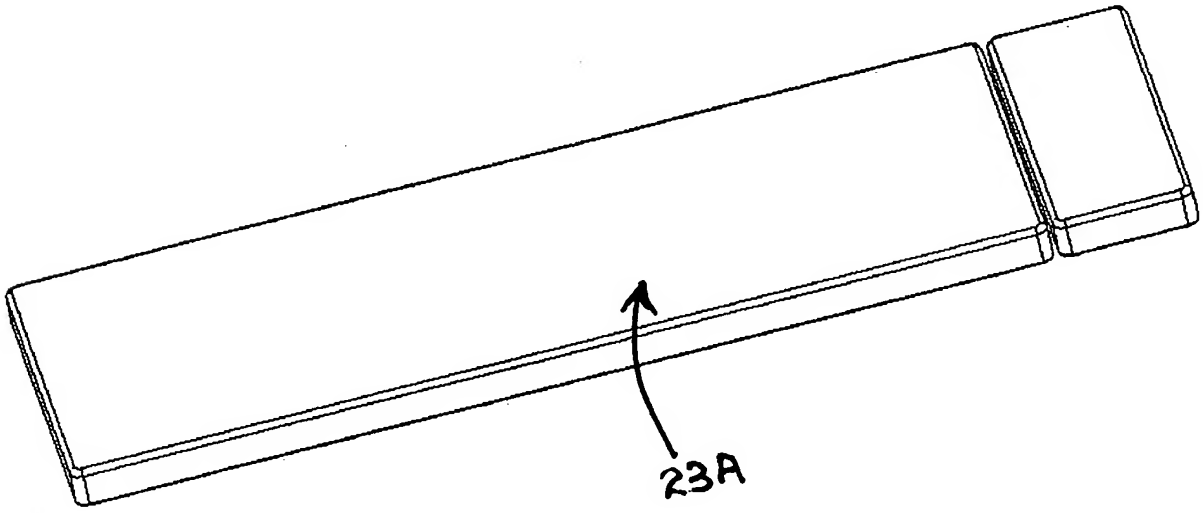


Figure 7

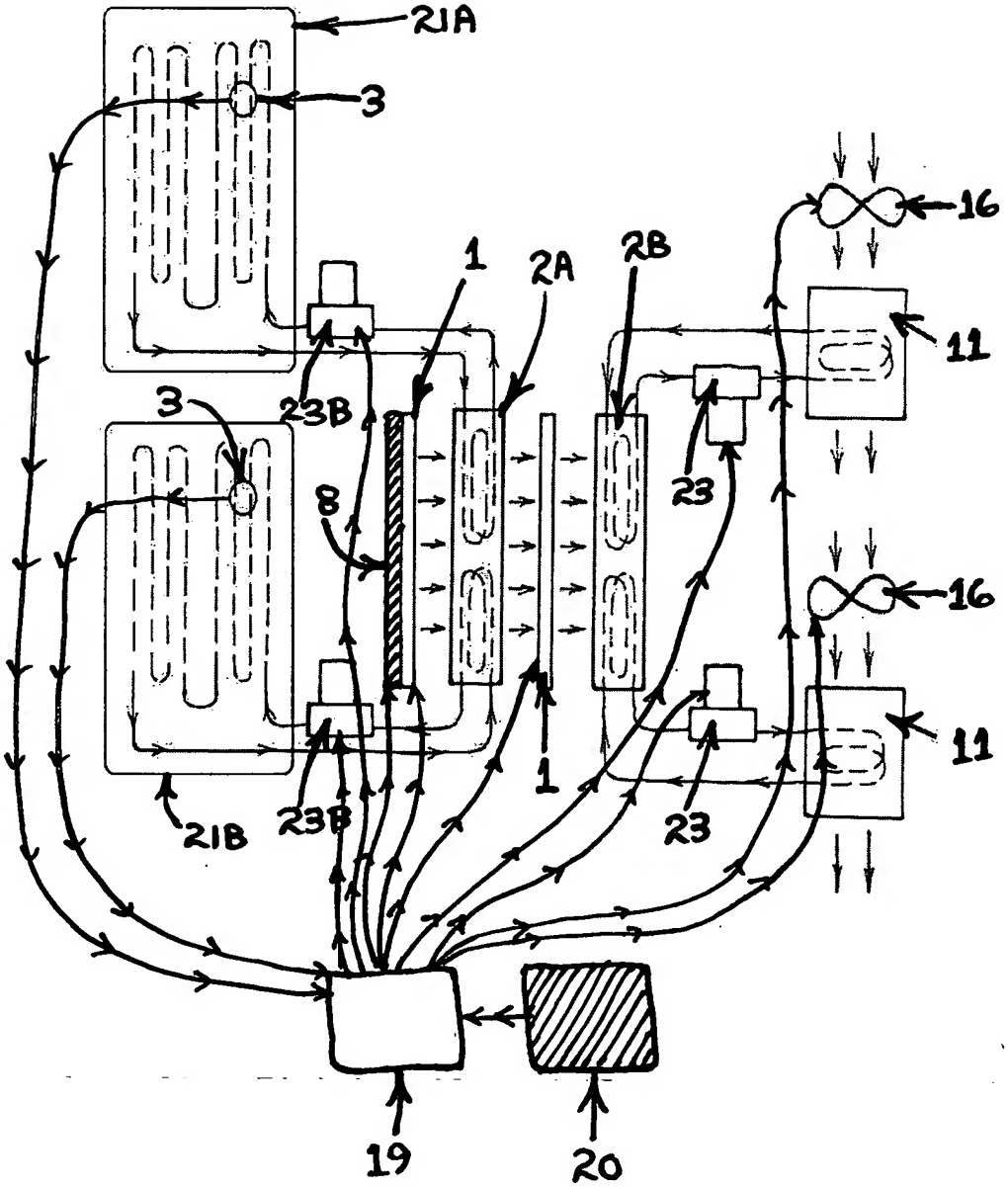


Figure 8

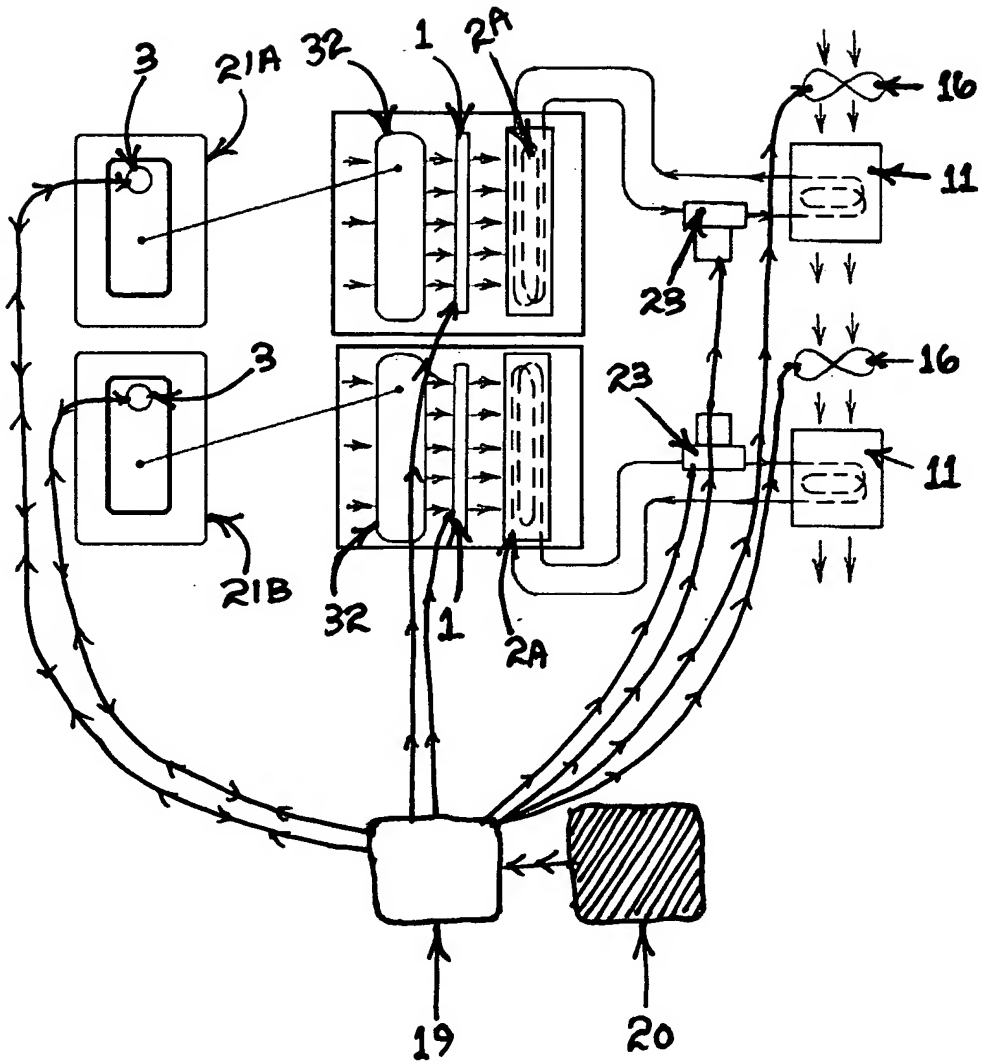
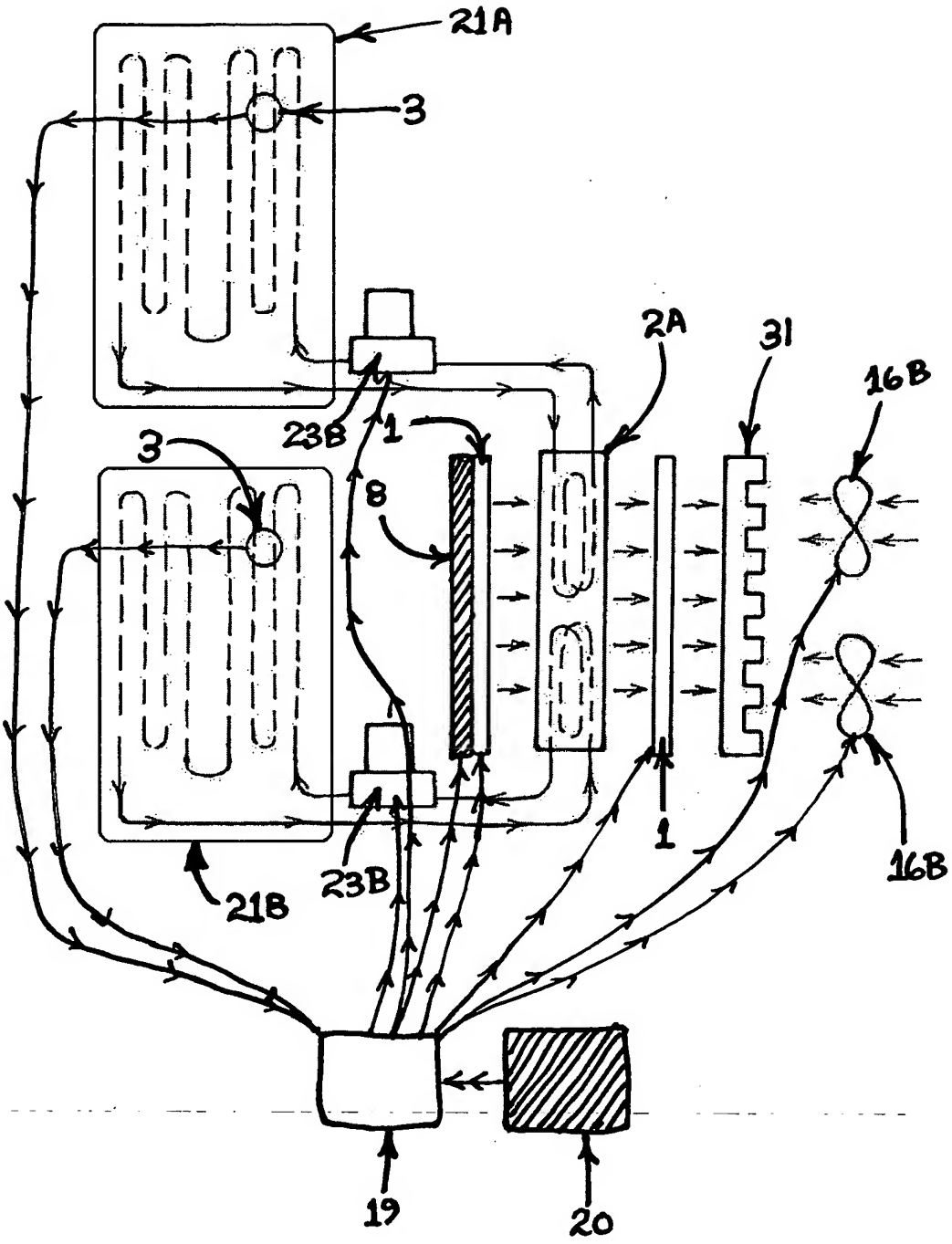



Figure 9